

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/590, 530  
Source: IFWP  
Date Processed by STIC: 9/8/06

***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

**Serial Number:** 10/590,530

**CRF Edit Date:** 9/8/06  
**Edited by:** DA

**\_\_\_\_\_** Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

**\_\_\_\_\_** Corrected the SEQ ID NO. Sequence numbers edited were:  
\_\_\_\_\_  
\_\_\_\_\_

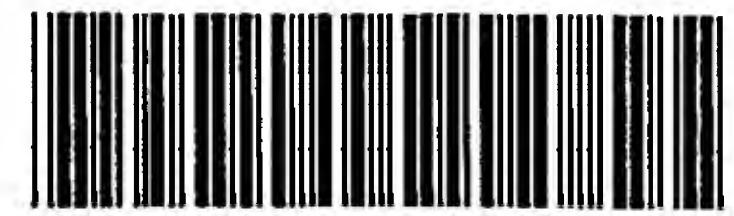
**\_\_\_\_\_** Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:  
\_\_\_\_\_  
\_\_\_\_\_

**\_\_\_\_\_** **Deleted:** invalid beginning/end-of-file text ; page numbers

**\_\_\_\_\_** Inserted mandatory headings/numeric identifiers, specifically:  
\_\_\_\_\_  
\_\_\_\_\_

**\_\_\_\_\_** Moved responses to same line as heading/numeric identifier, specifically:  
\_\_\_\_\_  
\_\_\_\_\_

**\_\_\_\_\_** Other:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:57

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

3 <110> APPLICANT: Natbio Pty Ltd  
4 Hawkins, Clifford J (US Only)  
6 <120> TITLE OF INVENTION: A plant extract  
8 <130> FILE REFERENCE: 12572860/EJH  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/590,530  
C--> 10 <141> CURRENT FILING DATE: 2006-08-24  
10 <150> PRIOR APPLICATION NUMBER: AU2004900929  
11 <151> PRIOR FILING DATE: 2004-02-24  
13 <150> PRIOR APPLICATION NUMBER: AU2004901086  
14 <151> PRIOR FILING DATE: 2004-03-02  
16 <160> NUMBER OF SEQ ID NOS: 5  
18 <170> SOFTWARE: PatentIn version 3.1  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 221  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Zingiber officinale  
25 <400> SEQUENCE: 1  
27 Asp Asp Leu Pro Asp Ser Ile Asp Trp Arg Glu Asn Gly Ala Val Val  
28 1 5 10 15  
31 Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Ser Thr  
32 20 25 30  
35 Val Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile  
36 35 40 45  
39 Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Thr Thr Ala Asn His Gly  
40 50 55 60  
43 Cys Arg Gly Gly Trp Met Asn Pro Ala Phe Gln Phe Ile Val Asn Asn  
44 65 70 75 80  
47 Gly Gly Ile Asn Ser Glu Glu Thr Tyr Pro Tyr Arg Gly Gln Asp Gly  
48 85 90 95  
51 Ile Cys Asn Ser Thr Val Asn Ala Pro Val Val Ser Ile Asp Ser Tyr  
52 100 105 110  
55 Glu Asn Val Pro Ser His Asn Glu Gln Ser Leu Gln Lys Ala Val Ala  
56 115 120 125  
59 Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln  
60 130 135 140  
63 Leu Tyr Arg Ser Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn  
64 145 150 155 160  
67 His Ala Leu Thr Val Val Gly Tyr Gly Thr Glu Asn Asp Lys Asp Phe  
68 165 170 175  
71 Trp Ile Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr  
72 180 185 190  
75 Ile Arg Ala Glu Arg Asn Ile Glu Asn Pro Asp Gly Lys Cys Gly Ile  
76 195 200 205

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:57

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

79 Thr Arg Phe Ala Ser Tyr Pro Val Lys Lys Gly Thr Asn  
80 210 215 220  
83 <210> SEQ ID NO: 2  
84 <211> LENGTH: 221  
85 <212> TYPE: PRT  
86 <213> ORGANISM: Zingiber officinale  
88 <220> FEATURE:  
89 <221> NAME/KEY: MISC\_FEATURE  
90 <222> LOCATION: (219)..(219)  
91 <223> OTHER INFORMATION: N = any amino acid  
94 <220> FEATURE:  
95 <221> NAME/KEY: MISC\_FEATURE  
96 <222> LOCATION: (220)..(220)  
97 <223> OTHER INFORMATION: N = any amino acid  
100 <220> FEATURE:  
101 <221> NAME/KEY: MISC\_FEATURE  
102 <222> LOCATION: (221)..(221)  
103 <223> OTHER INFORMATION: N = any amino acid  
106 <400> SEQUENCE: 2  
108 Asp Val Leu Pro Asp Ser Ile Asp Trp Arg Glu Lys Gly Ala Val Val  
109 1 5 10 15  
112 Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Asp Ala  
113 20 25 30  
116 Ile Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile  
117 35 40 45  
120 Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Ser Thr Arg Asn His Gly  
121 50 55 60  
124 Cys Glu Gly Gly Trp Pro Tyr Arg Ala Phe Gln Tyr Ile Ile Asn Asn  
125 65 70 75 80  
128 Gly Gly Ile Asn Ser Glu Glu His Tyr Pro Tyr Thr Gly Thr Asn Gly  
129 85 90 95  
132 Thr Cys Asp Thr Lys Glu Asn Ala His Val Val Ser Ile Asp Ser Tyr  
133 100 105 110  
136 Arg Asn Val Pro Ser Asn Asp Glu Lys Ser Leu Gln Lys Ala Val Ala  
137 115 120 125  
140 Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln  
141 130 135 140  
144 Leu Tyr Arg Asn Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn  
145 145 150 155 160  
148 His Tyr Arg Thr Val Gly Gly Arg Glu Thr Glu Asn Asp Lys Asp Tyr  
149 165 170 175  
152 Trp Thr Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr  
153 180 185 190  
156 Ile Arg Val Glu Arg Asn Ile Ala Glu Ser Ser Gly Lys Cys Gly Ile  
157 195 200 205  
W--> 160 Ala Ile Ser Pro Ser Tyr Pro Ile Lys Glu Xaa Xaa Xaa  
161 210 215 220  
164 <210> SEQ ID NO: 3  
165 <211> LENGTH: 264

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:57

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

166 <212> TYPE: PRT  
167 <213> ORGANISM: bovine  
169 <400> SEQUENCE: 3  
171 Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala  
172 1 5 10 15  
175 Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly Gly  
176 20 25 30  
179 Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
180 35 40 45  
183 Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp Gly Gln Pro His  
184 50 55 60  
187 Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His  
188 65 70 75 80  
191 Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His  
192 85 90 95  
195 Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys  
196 100 105 110  
199 Pro Ser Lys Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala Ala  
200 115 120 125  
203 Ala Gly Ala Val Val Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala  
204 130 135 140  
207 Met Ser Arg Pro Leu Ile His Phe Gly Ser Asp Tyr Glu Asp Arg Tyr  
208 145 150 155 160  
211 Tyr Arg Glu Asn Met His Arg Tyr Pro Asn Gln Val Tyr Tyr Arg Pro  
212 165 170 175  
215 Val Asp Gln Tyr Ser Asn Gln Asn Asn Phe Val His Asp Cys Val Asn  
216 180 185 190  
219 Ile Thr Val Lys Glu His Thr Val Thr Thr Thr Lys Gly Glu Asn  
220 195 200 205  
223 Phe Thr Glu Thr Asp Ile Lys Met Met Glu Arg Val Val Glu Gln Met  
224 210 215 220  
227 Cys Ile Thr Gln Tyr Gln Arg Glu Ser Gln Ala Tyr Tyr Gln Arg Gly  
228 225 230 235 240  
231 Ala Ser Val Ile Leu Phe Ser Ser Pro Pro Val Ile Leu Leu Ile Ser  
232 245 250 255  
235 Phe Leu Ile Phe Leu Ile Val Gly  
236 260  
239 <210> SEQ ID NO: 4  
240 <211> LENGTH: 6  
241 <212> TYPE: PRT  
242 <213> ORGANISM: chicken  
244 <400> SEQUENCE: 4  
246 Pro His Asn Pro Gly Tyr  
247 1 5  
250 <210> SEQ ID NO: 5  
251 <211> LENGTH: 8  
252 <212> TYPE: PRT  
253 <213> ORGANISM: bovine  
255 <400> SEQUENCE: 5

**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:57

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

257 Trp Gly Gln Pro His Gly Gly Gly  
258 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:58

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 219,220,221

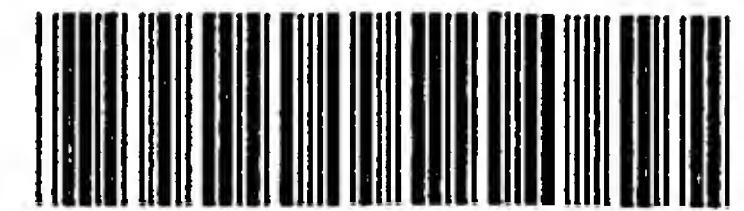
**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/590,530

DATE: 09/08/2006  
TIME: 09:19:58

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\09082006\J590530.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:208

**Raw Sequence Listing before editing,  
for reference only**



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/590,530

DATE: 09/01/2006  
TIME: 11:46:34

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\09012006\J590530.raw

3 <110> APPLICANT: Natbio Pty Ltd  
4 Hawkins, Clifford J (US Only)  
6 <120> TITLE OF INVENTION: A plant extract  
8 <130> FILE REFERENCE: 12572860/EJH  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/590,530  
C--> 10 <141> CURRENT FILING DATE: 2006-08-24  
10 <150> PRIOR APPLICATION NUMBER: AU2004900929  
11 <151> PRIOR FILING DATE: 2004-02-24  
13 <150> PRIOR APPLICATION NUMBER: AU2004901086  
14 <151> PRIOR FILING DATE: 2004-03-02  
16 <160> NUMBER OF SEQ ID NOS: 5  
18 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply  
Corrected Diskette Needed  
(pg-1)

## ERRORED SEQUENCES

250 <210> SEQ ID NO: 5  
251 <211> LENGTH: 8  
252 <212> TYPE: PRT  
253 <213> ORGANISM: bovine  
255 <400> SEQUENCE: 5  
257 Trp Gly Gln Pro His Gly Gly Gly  
258 *1* *ok* 5  
E--> 266 1

deleted

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/590,530

DATE: 09/01/2006  
TIME: 11:46:35

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\09012006\J590530.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:208  
L:266 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5